

**DISPATCH**

CLASSIFICATION

PROCESSING ACTION

TO

Chief, KUCIUB

**CONFIDENTIAL**

INFO.

Office of Real Estate and Construction Division OI

MARKED FOR INDEXING

NO INDEXING REQUIRED

ONLY QUALIFIED DESK  
CAN JUDGE INDEXING

FROM

Chief, [REDACTED]

MICROFILM

25X1A6a

SUBJECT

General - Engineering

Specific - [REDACTED] Monthly Status Report, January 1965

25X1A6a

ACTION REQUIRED - REFERENCES

25X1A6a

1. This month the [REDACTED] Transmitter Site has been a "bee hive" of activity. Briefly, we installed a new tower for the VHF antennas; started negging and bridging the HF antennas; commenced the testing of the power generators; began the unpacking and the installation of the transmitters and associated equipment.

2. There was some doubt by the [REDACTED] tower construction crew whether or not the Trylon 1678 tower was adequate for the mounting of the VHF antennas. After some discussions with our own antenna crew, it was decided to replace the tower with one of the heavy duty type from the spare Granger T47 LP. The Farinon was removed [REDACTED] and taken over [REDACTED] for a checkout prior to installing the equipment [REDACTED]. After the checkout, the equipment was then taken over to the new T-Site. The next phase will be to align the antennas to establish reliability of the path.

3. [REDACTED] is continuing the checkout of the power plant. [REDACTED] has run into considerable technical troubles mainly in the wiring and distribution panel. The biggest trouble seems to be inadequate drawings and lack of technical information on hand. He has replaced a number of parts which fortunately he was able to borrow [REDACTED]. The load bank that we borrowed [REDACTED] proved to be inadequate to perform the tests as outlined by Headquarters. We have run the generators both singular and in parallel at a decreased load. As with any new system there are bugs that have to be worked out and this system is no different, however, adequate drawings and spare parts would have proven beneficial in trouble shooting.

4. Speaking of bugs, another animal giving us trouble this past month were the field rats. They have entered the power house and have eaten some insulation off power cables and some lagging off the exhaust muffler feed pipes. First we tried rat poison, but that didn't deter them. Next we tried rat traps, but they would enter the traps, eat the bait, and when the trap would close, turn around and push the door open and walk out. We are now in the process of enlisting some cats to rid us of the rats.

5. We have negged . . .

C/REC

DC/REC

EC/REC

C/ACQ

CENTRAL FILE

FILE

DOC 5 REV DATE 9-2-82 BY 006199  
 ORIG COMP [REDACTED] OPI 35 TYPE 01  
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 JUST 22 NEXT REV 2012 AUTH: HR 10-2

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5 February 1965

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5. We have megged out all but two of the coaxial cables with satisfactory results. The two that have not been megged out are at the present time surrounded by water from the past rainfall. We have started making bridge measurements on the antennas. Due to the heavy rainfall this past month we have two antennas, B111P and B121P, whose feed points are under water. (See Photos 1, 2 and 3). We will raise the feed points within physical limits of the antenna; however it behooves us to determine why the antenna field is not draining. While checking out the antennas we have noticed that the majority of the stainless steel hardware on the [redacted] conical monopoles and log periodic antennas are rusting (See Photo 18). These antennas have seen up a maximum of only three months. The [redacted] representative has visited the [redacted] Site during which time this problem was pointed out to him. He was amazed that such was happening and stated he would inform [redacted] of our difficulties. The other problem that we discussed with him was that when we received the right angle connectors for the conical monopoles and installed them on the 4.5/16" antennas there was a horizontal cross piece of the tower directly in front of the connector. It was necessary to remove this piece to install the 1-5/8" coaxial cable. (See Photos 16, 17 and 18). As a matter of passing interest we would like to mention that stiffness makes the Foamflex 1-5/8" coaxial cable so difficult to work that we are resorting to hydraulic pipe benders.

6. The rear echelon of [redacted] have departed. All items on the punch list that they could do with available materials were completed. The five men did an outstanding job and are to be complimented for their work. The two prominent items which we will have to live with at the present time are: the unlevel floor in all of the operating wings making the use of leveling screws necessary, and the splicing of the power cable in the hand and man hole.

7. A storm blew down our temporary electrical power cable which supplied us power from the [redacted] Site. However, we were able to borrow some 4/0 cable from [redacted] and run another line over. The large voltage drop that we were experiencing was eliminated. We will now be able to test the air condition and heating systems.

8. We have been using an HFL-1000 with the Delta Electronics Bridge to check out the antennas. This method is much simpler and faster than the old [redacted] method, and it allows one to check out transmitting antennas without limitations. Two things we noticed on the HFL-1000 that might be of interest are on the AC cord plug the black wire goes to ground instead of the green wire, and the interlocks on the coaxial cable requires 5 ohms or less to operate. We understand that all of the AC cord plugs for the HFL-1000 have been coming in with the black wire on ground. It presents no real problem except this has to be changed. The 5 ohms to ground on the interlock system also presents no real problem until one wants to check the transmitter out into a 50 ohm dummy load. We will probably need an RF choke across the dummy load.

9. Prior to moving equipment into the building we used our indigenous crews and gave both inside the buildings and the compound a good cleaning.

10. The use of volunteer CTR's on their days off has proven to be a great help. All of the men have been working hard, and have shown sincerity in getting the place into operation as soon as possible.

11. [redacted] has approached us to provide flood lighting for the area where most of the conical monopole antennas are located. [redacted] is still concerned about theft of the copper radials. He believes it is only a matter of time until they take ours, and that lighting up the field would be an appropriate deterrent. This will be covered in more detail in a separate dispatch.

12. Antennas B111P and

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downgrading and  
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12. Antennas BL11P and BL21P are still outside the barb wire fence although they are on "exclusive use" property. We requested [REDACTED] X1A2d1 that the fence be moved to incorporate the antennas; however, we have been informed that they are waiting for materials from the States.

13. Last, but not least, our fire control alarm panel burnt out without sounding the alarm! (Caused by a functional failure, not a fire.)

14. The above report was submitted [REDACTED] for inclusion in the monthly report. The volume, attachments and actions required make it more desirable during the installation phase to include the report in a Monthly Status Report.

15. On 31 January 1965 [REDACTED] took the attached photos of the [REDACTED] swamps. The water areas shown have resulted from rains during the weekend of 23-24 January. Drainage is poor and access roads have settled. Photo 25 shows one stretch of access road which has had extra fill, but continues to settle. A drain pipe is in process of being installed. Efforts are being made to clear the major drainage ditches to the sea.

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## Attachments:

1. Photos
2. Legend Chart

## Distribution:

Original & 2 C/ACCOMB, w/atts.  
1 - IGIS w/atts

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ORIGINAL DOCUMENT MISSING PAGE(S):

ATTACHMENT

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